

Le Duc Anh

List of Publications by Year in descending order

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56
papers

928
citations

471371

17
h-index

477173

29
g-index

57
all docs

57
docs citations

57
times ranked

561
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth and characterization of quaternary-alloy ferromagnetic semiconductor (In,Ca,Fe)Sb. AIP Advances, 2022, 12, 015307.	0.6	1
2	Spin transport in fully ferromagnetic p-n junctions. Journal of Applied Physics, 2022, 131, 013902.	1.1	3
3	Theoretical analysis of the inverse Edelstein effect at the LaAlO ₃ /SrTiO ₃ interface with an effective tight-binding model: important role of the second d _{xy} subband. Applied Physics Express, 2022, 15, 013005.	1.1	3
4	Development of magnetism in Fe-doped magnetic semiconductors: Resonant photoemission and x-ray magnetic circular dichroism studies of (Ga,Fe)As. Physical Review B, 2022, 105, .	1.1	1
5	Gate-controlled proximity magnetoresistance in $\text{In}_{1-x}\text{Mn}_x$. Physical Review B, 2022, 105, .	1.1	1
6	Minority-spin impurity band in $\text{In}_{1-x}\text{Mn}_x$ -type (In,Fe)As: A materials perspective for ferromagnetic semiconductors. Physical Review B, 2021, 103, .	1.1	9
7	Alternation of Magnetic Anisotropy Accompanied by Metal-Insulator Transition in Strained Ultrathin Manganite Heterostructures. Physical Review Applied, 2021, 15, .	1.5	4
8	Ferromagnetic Fe-doped InAs quantum dots with high Curie temperature. Applied Physics Express, 2021, 14, 083002.	1.1	0
9	Ferromagnetism and giant magnetoresistance in zinc-blende FeAs monolayers embedded in semiconductor structures. Nature Communications, 2021, 12, 4201.	5.8	5
10	Elemental Topological Dirac Semimetal In_2Te_3 with High Quantum Mobility. Advanced Materials, 2021, 33, e2104645.	11.1	12
11	Spin-orbit torque magnetization switching in a perpendicularly magnetized full Heusler alloy Co ₂ FeSi. AIP Advances, 2021, 11, .	0.6	1
12	Unconventional bias dependence of tunnel magnetoresistance induced by the Coulomb blockade effect. AIP Advances, 2021, 11, 125029.	0.6	0
13	Elemental Topological Dirac Semimetal In_2Te_3 with High Quantum Mobility (Adv. Mater. 51/2021). Advanced Materials, 2021, 33, .	11.1	1
14	Room-temperature perpendicular magnetic anisotropy of Pt/Co/AlOx trilayers on SrTiO ₃ (001). AIP Advances, 2020, 10, 105010.	0.6	0
15	Growth and characterization of ferromagnetic Fe-doped GaSb quantum dots with high Curie temperature. APL Materials, 2020, 8, 091107.	2.2	2
16	Enhancement of the Spin Hall Angle by Interdiffusion of Atoms in Co_2FeSi . Physical Review Applied, 2020, 14, .	1.5	1
17	Current-in-plane spin-valve magnetoresistance in ferromagnetic semiconductor (Ga,Fe)Sb heterostructures with high Curie temperature. Applied Physics Letters, 2020, 117, .	1.5	2
18	Magnetization process of the insulating ferromagnetic semiconductor (Al,Fe)Sb. Physical Review B, 2020, 101, .	1.1	5

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19	High-Mobility 2D Hole Gas at a SrTiO ₃ Interface. <i>Advanced Materials</i> , 2020, 32, e1906003.	11.1	20
20	Magnetic interactions and spin-wave stiffness constant of In-substituted yttrium iron garnets. <i>Journal of Science: Advanced Materials and Devices</i> , 2020, 5, 270-277.	1.5	4
21	Temperature dependence of magnetic anisotropy in heavily Fe-doped ferromagnetic semiconductor (Ga,Fe)Sb. <i>Journal of Applied Physics</i> , 2020, 127, 023904.	1.1	6
22	Hybridization between the ligand p band and d band and evolution of the indirect band structure in a ferromagnetic semiconductor (Ga,Fe)Sb. <i>Physical Review B</i> , 2020, 101, .	1.1	16
23	Efficient intrinsic spin-to-charge current conversion in an all-epitaxial single-crystal perovskite oxide heterostructure of (Ga,Fe)Sb. <i>Physical Review B</i> , 2020, 102, .	1.1	8
24	Transport and magnetic properties of co-doped ferromagnetic semiconductor (In,Fe,Mn)As. <i>Applied Physics Express</i> , 2020, 13, 083005.	1.3	23
25	Electronic structure of the high- T_C ferromagnetic semiconductor (Ga,Fe)Sb: X-ray magnetic circular dichroism and resonance photoemission spectroscopy studies. <i>Physical Review B</i> , 2019, 100, .	1.1	16
26	Ultralow-Power Orbital-Controlled Magnetization Switching Using a Ferromagnetic Oxide Interface. <i>Physical Review Applied</i> , 2019, 12, .	1.5	3
27	Heavily Fe-doped ferromagnetic semiconductor (In,Fe)Sb with high Curie temperature and large magnetic anisotropy. <i>Applied Physics Express</i> , 2019, 12, 103004.	1.1	19
28	Giant gate-controlled proximity magnetoresistance in semiconductor-based ferromagnetic/non-magnetic bilayers. <i>Nature Physics</i> , 2019, 15, 1134-1139.	6.5	35
29	Ferromagnetic resonance and control of magnetic anisotropy by epitaxial strain in the ferromagnetic semiconductor		

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37	Proximity-Induced Superconductivity in a Ferromagnetic Semiconductor (In,Fe)As. Journal of Physics: Conference Series, 2018, 969, 012036.	0.3	4
38	High-temperature ferromagnetism in new n-type Fe-doped ferromagnetic semiconductor (In,Fe)Sb. Applied Physics Express, 2018, 11, 063005.	1.1	37
39	Observation of the inverse spin Hall effect in the topological crystalline insulator SnTe using spin pumping. Physical Review B, 2017, 96, .	1.1	10
40	Hidden peculiar magnetic anisotropy at the interface in a ferromagnetic perovskite-oxide heterostructure. Scientific Reports, 2017, 7, 8715.	1.6	6
41	Magnetic anisotropy control by applying an electric field to the side surface of ferromagnetic films. Scientific Reports, 2017, 7, 5618.	1.6	18
42	Reduction of the magnetic dead layer and observation of tunneling magnetoresistance in La _{0.67} Sr _{0.33} MnO ₃ -based heterostructures with a LaMnO ₃ layer. Applied Physics Letters, 2017, 110, .	1.5	12
43	High-temperature ferromagnetism in heavily Fe-doped ferromagnetic semiconductor (Ga,Fe)Sb. Applied Physics Letters, 2016, 108, .	1.5	94
44	Observation of spontaneous spin-splitting in the band structure of an n-type zinc-blende ferromagnetic semiconductor. Nature Communications, 2016, 7, 13810.	5.8	40
45	High-temperature ferromagnetism in heavily Fe-doped ferromagnetic semiconductor (Ga,Fe)Sb. , 2016, , .		0
46	Visible-light emission at room temperature in Mn-doped Si light-emitting diodes. Physical Review B, 2016, 93, .	1.1	2
47	Magnetic properties and intrinsic ferromagnetism in $\text{Ga}_{1-x}\text{Mn}_x$ semiconductors. Physical Review B, 2015, 92, .		
48	Modulation of ferromagnetism in $\text{In}_{1-x}\text{Sb}_x$ quantum wells via electrically controlled deformation of the electron wave functions. Physical Review B, 2015, 92, .	1.1	37
49	Growth and characterization of insulating ferromagnetic semiconductor (Al,Fe)Sb. Applied Physics Letters, 2015, 107, 232405.	1.5	34
50	Interplay between strain, quantum confinement, and ferromagnetism in strained ferromagnetic semiconductor (In,Fe)As thin films. Applied Physics Letters, 2014, 104, .	1.5	14
51	Epitaxial growth and characterization of n-type magnetic semiconductor (In,Co)As. Japanese Journal of Applied Physics, 2014, 53, 04EM05.	0.8	3
52	Control of ferromagnetism by manipulating the carrier wavefunction in ferromagnetic semiconductor (In,Fe)As quantum wells. Applied Physics Letters, 2014, 104, 042404.	1.5	26
53	(Ga,Fe)Sb: A p-type ferromagnetic semiconductor. Applied Physics Letters, 2014, 105, .	1.5	43
54	Growth and characterization of n-type electron-induced ferromagnetic semiconductor (In,Fe)As. Applied Physics Letters, 2012, 101, .	1.5	78

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55	Electron effective mass in n-type electron-induced ferromagnetic semiconductor (In,Fe)As: Evidence of conduction band transport. Applied Physics Letters, 2012, 101, .	1.5	51
56	Crystalline anisotropic magnetoresistance with two-fold and eight-fold symmetry in (In,Fe)As ferromagnetic semiconductor. Applied Physics Letters, 2012, 100, .	1.5	42